SHTINOV, N.A.; KONYUKHOV, N.A.; PAL'KEVICH, S.M.

Effect of "hot" weather on the milk productivity of cows. Trudy KazNIGMI no.24:116-119 '65. (MIRA 18:10)

ACC NR: AP6033665 SOURCE CODE: UR/0119/66/000/010/0025/0026

AUTHOR: Konyukhov, N. Ye. (Engineer); Kulikovskiy, L. F. (Doctor of technical sciences); Shklyar, F. M. (Engineer)

ORG: none

TITLE: Multichannel automatically compensated system 14

SOURCE: Priborostroyeniye, no. 10, 1966, 25-26

TOPIC TAGS: contactless potentiometer, linear control system, automation equipment

ABSTRACT: A multichannel automatically-compensated system for measuring small linear displacements has been designed, developed, and tested at the Kuybyshev Polytechnical Institute. The system includes a set of transformer-type primary transducers and an EPP-09 multipoint potentiometer. The potentiometer incorporates an LBP linear contactless potentiometer to serve as a compensating element. The primary transducer has following parameters: nonlinearity of static characteristics, not higher than 0.2%; phase error $\Delta\phi$, 15—20 angular minutes; sensitivity, 0.1 v/mm; and exciting current, 100 ma. The accuracy of the system is not less than $\pm$0.5%. Orig. art. has: 2 figures.

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 002/

Card 1/1 UDC: 621.317.39:531.7:621.3.083.5

L 03967-67 EWT(1)

ACC NR: AP6029785 SOURCE CODE: UR/0119/66/000/008/0004/0005

AUTHOR: Konyukhov, N. Ye. (Engineer); Kulikovskiy, L. F. (Doctor of technical sciences); Shklyar, F. M. (Engineer) 31

ORG: none

TITLE: Small-displacement transformer-type function generators 15

SOURCE: Priborostroyeniye, no. 8, 1966, 4-5

TOPIC TAGS: function generator, small displacement transducer, signal generator, electronic transformer

ABSTRACT: The transformer-type flat-winding function generator invented in 1963 (Author's Certificate 153190, Bull. izobr., 1963, no. 4) is briefly described. Two rectangular flat measuring windings cd fastened to insulating plate 1 are connected in series and in opposition. "Condensor" 2 is a magnet carrying two field windings also connected in series and in opposition. When the magnetic flux

Card 1/2 UDC: 621.3.082.74:621.3.083.6:531.74

L 43042-66 EWT(d)/EWP(l) IJP(c) BB/GG

ACC NR: AP6026948 SOURCE CODE: UR/0115/66/000/007/0051/0053

58
B

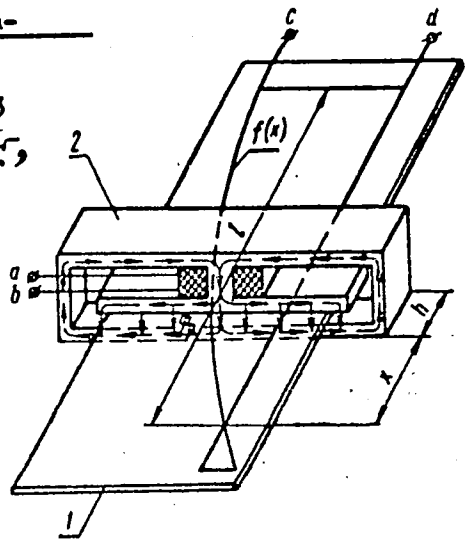
AUTHOR: Kulikovskiy, L. F.; Konyukhov, N. Ye.

ORG: none

TITLE: Multichannel autocompensated multiplication-and-division device 16

SOURCE: Izmeritel'naya tekhnika, n. 7, 1966, 51-53

TOPIC TAGS: calculator, electric generator, magnetic property



ABSTRACT: The Kuybyshev Polytechnic Institute developed a contactless logarithmic function generator (see figure). Flat logarithmic winding cd is laid on insulating plate 1. Magnet 2 carries field winding ab which produces a uniform magnetic flux in the airgap. As the magnet is moved along the x-axis, an emf proportional to the logarithm of the coordinate x is induced in the winding cd. A number of such devices, suitably connected in an autocompensation circuit, permit multiplying or dividing

Card 1/2 UDC: 621.374.32.084

L 43042-66

any number of input quantities given in the form of displacements or voltages. Technical data of the above logarithmic function generator is supplied. Orig. art. has: 3 figures and 10 formulas. [03]

SUB CODE: ~~14~~ 09/ SUBM DATE: none/ ORIG REF: 002/ ATD PRESS: 5067

Card 2/2

L 29911-66 EWT(1) IJP(c) GW

ACC NR: AR5027611 SOURCE CODE: UR/0270/65/000/009/0017/0017

62
61
B 17

AUTHOR: Konyukhov, P. I.

TITLE: Study of the nature of error distribution in photogrammetric determinations of point elevations in relation to tone of photographic images

SOURCE: Ref. zh. Geodeziya, Abs. 9.52.132

REF SOURCE: Geod. kartogr. i aerofotos"yemka. Resp. mezhved. nauchno-tekhn. sb., vyp. 1, 1964, 133-143

TOPIC TAGS: photogrammetry, photographic image, error, topography, aerial camera, aerial survey, stereoscope, cartography, geodesy

ABSTRACT: The research results for errors in photogrammetric determinations of point elevations in relation to the tone of the photographic image are given. The experimental sectors, including a plane surface and an open terrain with large topographic forms of a gully-ravine type, were covered by aerial surveying in mm in the ratio of 1: 7000 - 1: 18000. The focal length of the aerial cameras were 55 and 70 mm. The photogrammetric determination of the elevations of control

Card 1/2 UDC 528.721

L 29911-66

ACC NR: AR5027611

points was made with an STD-2 stereoscope and meter. An analysis of the results showed that the tone of the photographic image does not affect the occurrence of systematic errors in the determination of elevations. V. Orlov.

SUB CODE: 08/ 14/ SUBM DATE: none

Card 2/2 CC

S/035/62/000/010/100/128
A001/A101

AUTHOR: Konyukhov, P. I.

TITLE: Investigation of the nature of errors in stereoscopic drawing of relief

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 28, abstract 10G136 ("Nauchn. zap.L'vovsk. politekhn. in-t. Ser. geod.", 1962, no. 7, 62 - 71)

TEXT: The author presents the data of an investigation of the nature of errors arising in the process of stereoscopic drawing of relief, on the basis of aerial photographs of a plain region on scales 1:12,000 and 1:14,000, on a СТД-2 (STD-2) topographic stereometer. It was cleared up, as a result of investigations, that the form of error distribution does not agree with the normal distribution law; negative systematic errors of photogrammetric determination of point heights and height position of horizontals prevail when there is no vegetation cover on the country; at the presence of vegetation cover (crops of rye, wheat and other cultures), on the contrary, there are considerably more positive errors than negative ones.

V. Orlov

[Abstracter's note: Complete translation]

Card 1/1

BAIYASOV, Pavel Dmitriyevich; KONYUKOV, Pavel Mikhaylovich; SMELOVA, Nina Alekseyevna; EFROS, Boris Yefimovich; ZOTIKOV, V.Ye., prof., retsenzent; BARABANOV, L.G., retsenzent; KOFELEVICH, Ye.I., red.; VINOGRADOVA, G.A., tekhn. red.

[Laboratory manual on cotton spinning]Laboratornyi praktikum po priadeniiu khlopka. Izd.2., perer. i dop. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR "Rostekhizdat," 1962. 491 p. (MIRA 15:9)

(Cotton spinning) (Cotton machinery)

KONYUKHOV, R.N., inzh.; TITARENKO, R.M., inzh.

Attachment to a corn planter for hill placement of ammonia.
Trakt. i sel'khozmash. 33 no.3:32-33 Mr '63.
(MIRA 16:11)

KONYUKHOV, S.G.

USSR

Determination of blood prothrombin. I. N. Bol'shev and S. G. Konyukhov (S. M. Kirov Med. Inst., Gorki). *Klin. Med. (U.S.S.R.)* 33, No. 1: 80–7(1955).—The dried poison of a viper (*Vipera lebetina*) from the Tashkent zoo was used as source of prothromboplastin. The prothrombin time of normal plasma when using 1:100,000 dilu. is 19–21 sec.; briefer periods are obtained with more concd. prepns. The poison is in the form of yellow crystals easily sol. in H_2O and saline. The stock soln. (1:1000) sterilized at 56–58° for 20 min. retains its activity for several months. Mirkin

Card : 1/1

KONYUKHOV, S.G., aspirant

Use of anticoagulating substances in the surgical clinic. Uch. zap. GMI no.8:25-29 '59. (MIRA 14:9)

1. Iz kafedry fakul'tetskoy khirurgii (nauchnyy rukovoditel' - zasluzhennyy deyatel' nauki, prof. Ye.L.Berezov [deceased]; ispolnyaysushchiy obyazannosti zaveduyushchego kafedroy - doktor med.nauk S.A.Zarubin).

(ANTICOAGULANTS (MEDICINE)) (THROMBOSIS)

EWG(j)/EWG(r)/EWT(l)/FS(v)-3/EWG(v)/EWG(a)-2/EWG(c) Pe-5 DD

ACCESSION NR: AR4045766 S/0299/64/000/013/M017/M017

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 13M104

20
B

AUTHOR: Ryzhakov, D. I.; Konyukhov, S. G.

TITLE: Homoplastic kidney transplantations using 6-mercaptopurine

CITED SOURCE: Sb. 3 Vses. konferentsiya po peresadke tkaney i organov, 1963. Yerevan, 1963, 434-435

TOPIC TAGS: dog, kidney, transplantation, homotransplantation, pathology, 6-mercaptopurine, homoplasty

TRANSLATION: Kidney homotransplantation was performed on necks of dogs in 3 series of experiments. In the 1st series animals were administered a 3 mg/kg dose of 6-mercaptopurine starting with day of operation. In the 2nd series a 6 to 9 mg/kg dose of 6-mercaptopurine was administered daily for 1 to 2 weeks before operation and in the postoperative period. The 3rd group served as a control. Change in transplanted kidney function in the control group appeared on the average in 4 days. Histological investigation disclosed developmental

Card 1/2

L 41504-65
ACCESSION NR: AR4045766

changes typical for homotransplants, with intense lymphoid infiltration of interstitial tissue and with tubule necroses, while the glomeruli were not affected. Animals of the 4th series who received a small quantity of 6-mercaptopurine had an average life of skin homotransplants of 13 days, and those receiving large 6-mercaptopurine doses had an average skin homotransplant life of 34 days (27 to 44 days). Nevertheless, in these groups, too, the transplanted kidneys displayed changes typical for homotransplants, but they developed slowly and considerably later. 6-Mercaptopurine sharply inhibited general reactivity of the organism which sometimes caused various complications.

SUB CODE: LS ENCL: 00

mee
Card 2/2

KONYUKHOV, S.G.

Anticoagulant properties of diphenacine. Vop.med.khim. 10 no.2:192-197 Mr-Ap '64. (MIRA 18:1)

1. Branch of the Leningrad State Research Institut for Blood Transfusion, Kirov.

KONYUKHOV, S.G.

Results of the clinical testing of the anticoagulant omephine. Sov. med. 27 no.12:58-62 O '64. (MIRA 18:11)

1. Khirurgicheskaya klinika (rukovoditel' - prof. N.S. Yepifanov) i laboratoriya eksperimental'noy patologii (rukovoditel' - kand. med. nauk S.G. Konyukhov) filiala Leningradskogo nauchno-issledovatel'skogo instituta perelivaniya krovi (dir. N.V. Shestakov), Kirov.

ABRAMOV, M.A.; ALIVERDIZADE, K.S.; AMIROV, Ye.M.; ARENSON, R.I.; ARSHN'YEV, S.I.; BAGDASAROV, R.M.; BAGDASAROV, G.A.; BADAMYANTS, A.A.; DANIYELLYAN, G.N.; DZHAFAROV, A.A.; KAZAK, A.S.; KERCHENSKIY, M.M.; KONYUKHOV, S.I.; KRASNOBAYEV, A.V.; KURKOVSKIY, A.I.; LALAZAROV, G.S.; LARIONOV, Ye.P.; LISTENGARTEN, M.Ye.; LIVSHITS, B.L.; LISIKYAN, K.A.; LOGINOVSKIY, V.I.; LYSENKOVSKIY, P.S.; MOLCHANOV, G.V.; MAYDEL'MAN, N.M.; OKHON'KO, S.K.; ROMANIKHIN, V.A.; ROSIN, I.I.; RUSTAMOV, E.M.; SARKISOV, R.T.; SKRYPNIK, P.I.; SOBOLEV, N.A.; TARATUTA, R.N.; TVOROGOVA, L.M.; TER-GRIGORYAN, A.I.; USACHEV, V.I.; FAYN, B.P.; CHICHEROV, L.G.; SHAPIRO, Z.L.; SHEVCHUK, Yu.I.; TSUDIK, A.A.; ABUGOV, P.M., red.; MARTYNOVA, M.P., vedushchiy red.; DANIYELLYAN, A.A.; TROFIMOV, A.V., tekhn.red.

[Oil field equipment; in six volumes] Neftianoe oborudovanie; v shesti tomakh. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vol.3. [Petroleum production equipment] Oborudovanie i instrument dlia dobychi nefti. 1960. 183 p. (MIRA 13:4)

(Oil fields--Equipment and supplies)

LUKOVTSEV, A.A.; MURAV'YEV, K.N., inzh., retsenzent; KONYUKHOV, S.M., dotsent, red.; DUGINA, N.A., tekhn.red.

[Repair of industrial equipment] Remont zavodskogo oborudovaniia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1952. 335 p. (MIRA 12:3)

(Machinery--Maintenance and repair)

FEDOROV, B.F.; MURAV'YEV, K.N., retsenzent, inzhener, KONUYKHOV, S.M. (KONYUKHO) redaktor, inzhener, STUDENTSYN, B.P., redaktor; DUGINA, N.A., tekhnicheskiy redaktor.

[An efficient method for force-fitting and disassembling pressure-fitted machine parts] Ratsional'nyi sposob raspressovki i zapressovki detalei. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 65 p. (MLRA 8:11)
(Machine-shop practice)

KONYUKHOV, S.M.

PARNITSKIY,Adol'f Bronislavovich; SHABASHOV, Aleksandr Pavlovich; KAZAK,S.A., kandidat tekhnicheskikh nauk, redaktor; KONYUKHOV, S.M., dotsnet, redaktor; SOKOLOVSKIY,I.B., professor, doktor tekhnicheskikh nauk, retsenzent; KARAPET'YAN,G.B., inzhener, retsenzent; DUGINA,N.A., tekhnicheskiy redaktor

[General purpose travelling crane; construction, design, operation] Mostovye krany obshchego naznacheniia; konstruktsiia, raschet, ekspluatatsiia. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry, 1955. 339 p. (MLRA 9:2)
(Cranes, derricks, etc.)

MURAV'YEV, K.N.; KONYUKHOV, S.M., dotsent; VUL'FIN, Z.B.; FEDOROV, B.F., inzhener, retsenzent; KOROLEV, M.F., inzhener, retsenzent.

[Machine shop practice] Slesarno-sborochnoe delo. Pod red. S.M.Koniukhova. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry, 1955. 403 p. (MLRA 8:4)
(Machine-shop practice)

LUKOVTSEV, Aleksey Alekseyevich; MURAV'YEV, K.N., inzhener, retsenzent; KONYUKHOV, S.M., dotsent, redaktor; GRISHCHENKO, M.F., inzhener, redaktor; DUGINA, N.A., tekhnicheskiy redaktor. (MLRA 9:6)

[Assembling mechanical equipment] Montazh mekhanicheskogo oborudovaniia. Moskva, Ges.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1955. 540 p. (Machinery) (MLRA 9:6)

KONYUKHOV, S. M.

Call Nr: TJ 1185 .B86

AUTHOR: Bukharov, I.V. and Kallistov, V.I.

TITLE: Modernization of Metalworking Equipment at the Uralvagonzavod Plant (Modernizatsiya metallo-obrabatyvayushchego oborudovaniya na Uralvagonzavode) 1956,

PUB. DATA: Gosudarstvennoye nauchno-teknicheskoye izdatel'stvo mashinostroitel'noy literatury. 47 pp. 3,000 copies

ORIG. AGENCY: None

EDITOR: Reviewer: Sutorikhin, V.N., Docent; Ed: Konyukhov, S.M., Docent; Publ. House Ed. (Ural-Siberian Dept. of MAShGIZ) Kravtsov, V.S., Tech. Ed.: Dugina, N.A.; Reviser: Voronova, S.S.

PURPOSE: This book is intended for engineers and technical personnel of machine-building plants.

Card 1/3

Modernization of Metalworking Equipment (Cont.) Call Nr: TJ 1185 .B86

COVERAGE: The authors describe the experience gained during many years of modernizing various metalworking equipment in one of the large Ural plants, Uralvagonzavod. In particular, the modernization of many types of metal-cutting machines is discussed. Problems of planning equipment modernization are also discussed. Personalities mentioned: Komarov, A.V.; Demin, L.R.; Lerner, N.P.; Khorkhorin, A.M.; Belousov, Zhizhin, Sher, Vyatkina, Ponomarenko, and Shchukin, P.D., mechanic.

TABLE OF CONTENTS:

Card 2/3

Bibliography: None

AVAILABLE: Library of Congress

Card 3/3

Konyukhov, S.M.

MURAV'YEV, K.N.; KONYUKHOV, S.M., dots., red.; VUL'FIN, Z.B.; FEDOROV, B.F., inzh., retsenzent; KOKOLEV, M.F., inzh., retsenzent; DUGIN, N.A., tekhn. red.

[Work of mechanic and fitter] Slesarno-sborochnoe delo. Pod red. S.M. Koniukhova. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 397 p. (MIRA 11:7)

(Machine-shop practice)

25(7) PHASE I BOOK EXPLOITATION SOV/1682

Konyukhov, Sergey Mikhaylovich, and Ruf'fal'kovna Gektina

Vysokoproizvoditel'nyy slesarno-sborchnyy instrument (High-capacity Tools for Fitters) Moscow, Mashgiz, 1958. 135 p. (Series: Biblioteka slesarya-sborshchika, vyp. 4) 10,000 copies printed.

Editorial Board of Series: S.N. Gorshkov, Engineer, A.A. Lobanov, Engineer, M.P. Novikov, Candidate of Technical Sciences, V.G. Polyuanov, Engineer, M. I. Sustavov, Engineer, B.F. Fedorov, Candidate of Technical Sciences; Ed. of Publishing House: M.I. Sustavov; Tech. Ed.: N.A. Dugina

PURPOSE: This popular booklet, one of 12, is intended to improve the qualifications of fitters and increase their work output by broadening their technical knowledge.

COVERAGE: Information compiled from various sources describing the latest achievements in the field of machine tool assembling is

Card 1/4

STOYLOV, Yuriy Ivanovich; KONYUKHOV, Sergey Mikhaylovich; POKRAS, Yuriy L'vovich; KAZAK, Anufriy Ivanovich; SHABASHOV, A.P., kand. tekhn. nauk, retsenzent; GEKTINA, R.F., inzh., red.; DUGINA, N.A., tekhn. red.

[Single-bucket excavators; use and maintenance of excavators with capacities of 0,15 - 1.25 su.meters] Odnokovshovye ekskavatory; ekspluatatsiia i obsluzhivanie ekskavatorov s kovshom emkost'iu 0,15 - 1,25 m³. Moskva, Mashgiz, 1961. 323 p. (MIRA 14:12)
(Excavating machinery)

ANIKIN, Nikolay Aleksandrovich; DROBYSHEVSKAYA, Nadezhda Ivanovna; DUDINOV, Vladimir Alekseyevich; KON'KOV, Arkadiy Sergeyevich; KONYUKHOV, Sergey Mikhaylovich; MESHCHERINOV, Fedor Ivanovich; POLETSKIY, Aleksandr Timofeyevich; POLYAKOV, Gleb Maksimovich; SAL'NIKOV, Oleg Alekseyevich; CHERNOBAY, Dmitriy Gavrilovich; GAVRILOV, P.G., kand. tekhn.nauk, retsenzent; NEFED'YEV, G.N., kand. fiz.-mat. nauk; SOKOLOV, V.M., kand. fiz.-mat. nauk; SOKOLOVSKIY, V.I., kand. tekhn. nauk; RUDIN, S.N., inzh.; EYDINOV, M.S., kand. tekhn. nauk; DUBITSKIY, G.M., doktor tekhn. nauk, red.; ZAKHAROV, B.P., inzh., red.; KONOVALOV, V.N., kand. tekhn. nauk, red.; PERETS, V.B., kand. tekhn. nauk, red.; ROZENBERG, I.A., kand. ekonom. nauk, red.; STEPANOV, V.V., kand. tekhn. nauk, red.; SUSTAVOV, M.I., inzh., red.; SHABASHOV, S.P., kand. tekhn. nauk, red.; DUGINA, N.A., tekhn. red.

[Handbook for inventors and innovators]Spravochnik dlia izobretatelia i ratsionalizatora . [By] N.A.Anikin i dr. Izd.3., ispr. i dop. Moskva, Mashgiz, 1962. 791 p. (MIRA 16:1)
(Technological innovations—Mechanical engineering)

SHABASHOV, A.P., kand. tekhn. nauk; KHRISANOV, M.I., kand. tekhn. nauk; KROPACHEV, G.P., kand. tekhn. nauk; KONYUKHOV, S.M., inzh., retsenzent; SUSTAVOV, M.I., inzh., red.; ZRUZIN, N.M., red.izd-va; MODEL', B.I., tekhn. red.

[Electric cranes] Elektricheskie pod"emnye krany. Moskva, Mashgiz, 1964. 259 p. (MIRA 17:3)

KONYUKHOV, V.

The U.S.S.R. in the seven-year plan ("Prospects for the development of industry in the U.S.S.R." by A.N. Efimov; "Living standards of the Soviet population" by E.L. Manevich. Reviewed by V. Koniukhov). Vop. ekon. no.2:123-127 F '60. (MIRA 13:1)
(Russia--Economic policy)
(Cost and standard of living)
(Efimov, A.N.) (Manevich, E.L.)

KONYUKHOV, V. (g. Petropavlovsk, Severo-Kazakhstanskoy oblasti).

Supervisor of the production at the "Ishim" restaurant. Obshchestv. pit. no.7:32 Jl '60. (MIRA 13:8)
(Petropavlovsk (North Kazakhstan Province)—Restaurants, lunchrooms, etc.)

YEREMIN, S.; USKOV, V., pilot 1 klassa, komandir korablya;
MEL'NIKOV, V. (Ul'yanovsk); KONYUKHOV, V., dispetcher;
SHARKOV, V.; LUN'KOV, N.; AVDOSHKO, M.; BOGOYAVLENSKAYA, N.

Aeronautical kaleidoscope. Grazhd. av. 21 no.6:16-17 Je '64.
(MIRA 17:8)

1. TSelinogradskiy aeroport (for Konyukhov).

KONYUKOV, V., inzhener-podpolkovnik; OKTYABR'SKIY, R., inzhener-kapitan

Liquid fuel fires the stove. Starsh.-serezh. no.12:33 D '61. (MIRA 15:3)

(Heating--Equipment and supplies)

SOV/30-59-4-31/51

30(5)
AUTHOR: Konyukhov, V. D.

TITLE: 200 Years Since the Publication of the "Economic Table" by François Quesnay (200-letiye "Ekonomicheskoy tablitsy" Fransua Kene)

PERIODICAL: Vestnik Akademii nauk SSSR, 1959, Nr 4, pp 114-115 (USSR)

ABSTRACT: The Scientific Councils of the institut Ekonomiki (Economic Institute), the institut Mirovoy ekonomiki (Institute of World Economy), the Institut mezhdunarodnykh otnosheniy Akademii nauk SSSR (Institute of International Relations of the Academy of Sciences of the USSR) together with the Economic Department of Moscow University held a Joint Meeting on December 18th, 1958 presided by Academician V. S. Nemchinov, which was devoted to the 200th anniversary of the publication of the "Economic Table" by François Quesnay (Kene). N. A. Tsagolov, Doctor of Economics, spoke about "the Economic Table by Quenet and Its Scientific Importance". The author of the present paper is of opinion that it is Quesnay's merit to have endeavored to give an analysis of the actual economic conditions in the society of those days and to understand the tendency of their develop-

Card 1/2

S/030/60/000/01/051/067
B015/B011

22 (4)
AUTHOR: Konyukhov, V. D.

TITLE: Tasks of the Rational Distribution of Production Forces

PERIODICAL: Vestnik Akademii nauk SSSR, 1960, Nr 1, pp 98 - 99 (USSR)

ABSTRACT: An extended meeting of the Uchenyy sovet (Scientific Council) of the Institut ekonomiki Akademii nauk SSSR (Economy Institute of the Academy of Sciences of the USSR) was held from October 9 to 12, 1959. The discussions included problems of the "Distribution of Production Forces in the Period of the Transition From Socialism to Communism". The Meeting was attended by a great number of scientific workers, delegates of planning and projecting organizations, economic experts from the Academies of Sciences of the Union Republics and the branches of the Academy of Sciences of the USSR, the sovnarkhoz and universities. Ya. G. Feygin (Economy Institute) reported on the importance and present tasks confronting this problem. For the purpose of solving the general distribution tasks of production forces, he recommended the formation of large economic zones. The problem should be worked out in conjunction with the criticism of contemporary bourgeois theories. Next, the report by

Card 1/3

Tasks of the Rational Distribution of Production Forces

S/030/60/000/01/051/067
B015/B011

P. M. Alampiyev and S. P. Tokarev, Gosplan SSSR (State Planning Committee of the Council of Ministers of the USSR) was read on the subject "Problemy ekonomicheskogo rayonirovaniya strany v svyazi s razrabotkoy general'noy perspektivy razvitiya narodnogo khozyaystva SSSR" (Problems of the Economic Division Into Districts of the Country in Connection With the Elaboration of General Development Prospects of the National Economy of the USSR). N. V. Vasil'yev (Economic Institute) spoke on "Problemy razmeshcheniya i spetsializatsii sel'skogo khozyaystva SSSR" (Problems of the Distribution and Specialization of Agriculture in the USSR). I. P. Krutikov (Economic Institute) reported on problems of the improvement of the distribution of working power reserves over the economic rayon of the USSR. Those participating in the discussion reported on their investigation results and exchanged their experiences in the joint work with planning and statistical organs of the Union Republics, countries and districts, and with the sovnarkhoz. The desire was expressed that guidance be intensified on part of the scientific central institutions, particularly of the Economy Institute. In its

Card 2/3

PLOTNIKOV, K.N.; MAYEVSKIY, I.V., doktor ekon.nauk; YEVSTAF'YEV, G.N., kand.ekon.nauk; KONYUKHOV, V.D., nauchnyy sotrudnik. Prinimal uchastiye DAVYDKOV, I.I., nauchnyy sotrudnik. ZAV'YALOVA, A.N., red.; PONOMAREVA, A.A., tekhn.red.

[Potentials for reducing production costs] Rezervy snizheniia sebestoimosti produktsii. Moskva, Izd-vo ekon.lit-ry, 1962. 333 p. (MIRA 15:4)

1. Akademiya nauk SSSR. Institut ekonomiki. 2. Direktor Instituta ekonomiki AN SSSR, chlen-korrespondent AN SSSR (for Plotnikov). 3. Institut ekonomiki AN SSSR (for Yevstaf'yev).
(Costs, Industrial)

KONYUKHOV, V.G.

Electric moisture tester operated with storage batteries. Der.prom. 9 no.10:24 O '60. (MIRA 13:10)
(Wood--Moisture)

BELOV, S.A., inzh.; KONYUKHOV, V.G., inzh.

Apparatus for measuring the concentration of antiseptics.
Der.prom. 11 no.6:24 Je '62. (MIRA 15:6)
(Wood preservations--Testing)

SHISHIGIN, S.I.; KONYUKHOV, ...I.

Determining the quantity of interstitial water in reservoir rock samples by the method of electroconductivity. Geol. i geofiz. no.7:90-95 '64. (MIRA 18:8)

1. Tyumenskiy filial Sibirskogo nauchno-issledovatel'skogo instituta geologii, geofiziki i mineral'nogo syr'ya.

SHISHIGIN, S.I.; KRIYUKHOV, V.I.

Evaluation of the fracturing of basement rocks in the Berezovo-Shaim region of the West Siberian Plain. Geol. i geofiz. no.8: 107-111 '64 (MIRA 18:2)

1. Tyumenskiy filial Sibirskogo nauchno-issledovatel'skogo instituta, geologii, geofiziki i mineral'nogo syr'ya.

KONYUKHOV

~~KONYUKOV~~, V. K.; PROKHOROV, Aleksandr Mikhaylovich

"Some properties of Quantum Optical Generator Radiation"

Paper presented at Optical Society of America Meeting, Washington, D. C. 14-17 March 62

33363
S/181/62/004/001/039/052
B104/B112

24.7900 (1055,1144, 1163)

AUTHORS: Konyukhov, V. K., Pashinin, P. P., and Prokhorov, A. M.

TITLE: Study of the paramagnetic electron resonance and the optical spectrum of the Yb^{3+} ion in CdF_2

PERIODICAL: Fizika tverdogo tela, v. 4, no. 1, 1962, 246 - 248

TEXT: The paramagnetic electron resonance spectrum was observed at three frequencies in the centimeter and millimeter wave ranges. The spin-lattice relaxation time was measured at helium temperature. The Yb concentrations in CdF_2 single crystals reached 0.1% by weight. Two lines of the transition $^2F_{7/2} \rightarrow {}^2F_{5/2}$ were detected in the far infrared of the Yb^{3+} absorption spectrum at 0.961 and 0.972 μ. The splitting of the ground state was estimated from changes in the g-factor of the spectroscopic splitting. The distance between the lowest ground state Γ_7 and the next level Γ_8 of the ground state was 21.1 ± 0.4 cm^{-1}. The spin-lattice relaxation time T_1 in

Card 1/2

KONYUKHOV, V.K., PASHININ, P.P., PROKHOROV, A.M., CHAYMOV-MALKOV, V.Y.

"Quantum laser with traveling wave."

Report submitted to the Third Intl. Symp. on Quantum Electronics, Paris, France 11-15 Feb 1963

Konyukhov, V. K.

AID Nr. 971-13 20 May

STUDY OF RUBY LASER AT LIQUID NITROGEN TEMPERATURE (USSR)

Konyukhov, V. K., L. A. Kulevskiy, and A. M. Prokhorov. IN: Akademiya nauk SSSR. Doklady, v. 149, no. 3, 21 Mar 1963, 571-572.

S/020/63/149/003/012/028

Spectral components of ruby laser emission corresponding to laser transitions to the $\pm 1/2$ and $\pm 3/2$ components of the ground state have been studied at 77.4°K. A light-pink ruby sample 6 mm in diameter and 60 mm long was used, with one end silver-coated and the other uncoated. The laser beam was passed through a Fabry-Perot interferometer with a 0.20-cm air gap into a long-focus camera, where it was either photographed on red-sensitive film or separated into the two components by a mask. In the latter case each component was detected separately by a photomultiplier, and the two signals were registered by a dual-beam oscillograph. Near the laser threshold only the $\pm 3/2$ (short-wave) component was observed, the other appearing at higher pumping energies. The frequency difference of the two components, calculated from the interference pattern (0.36 ± 0.03) cm^{-1} agrees, within the experimental error, with a value calculated from the splitting of the Cr^{3+} ground state in the Al_2O_3 lattice (the ground state being determined by EPR methods). It was determined

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AID Nr. 971-13 20 May

STUDY OF RUBY [Cont'd] S/020/63/149/003/012/028

that the components carry different fractions of the output energy: near the threshold the short-wave component carries most of the energy, while the long-wave component increases to 21 ± 1% of the short-wave component considerably above the threshold. The time variation of the two components was shown to be quite dissimilar. The short-wave component was generated in 0.5 to 0.8 μsec, and its duration increased with increased pumping energy; the long-wave component was generated in 0.1 to 0.15 μ sec, and its duration decreased with increased pumping energy. [BB]

Card 2/2

ACCESSION NR: AP4011484 S/0051/64/016/001/0058/0062

AUTHOR: Gvaladze,T.V.; Konyukhov,V.K.; Prokhorov,A.M.; Khaimov-Mal'kov,V.Ya.; Shipule,G.P.

TITLE: R-absorption lines of ruby

SOURCE: Optika i spektroskopiya, v.16, no.1, 1964, 58-62

TOPIC TAGS: R absorption, R levels, R line luminescence, ruby, optical pumping, lasers, luminescence lifetime

ABSTRACT: Although there have been many investigations of the luminescence of R-lines of ruby, hitherto there have been no detailed studies of the absorption in the region of these lines. Study of the absorption can yield information on the frequency variation of the absorption coefficient, $\alpha(\nu)$, and the temperature dependence of $\int\alpha(\nu)d\nu$, which is indicative of the temperature variation of the matrix element of the dipole moment. In the present work the R-line absorption of ruby (Cr_2O_3 concentration 0.04% by weight) was investigated at 16, 60, and 95°C. The measurements were performed with the aid of a DFS-13 diffraction grating spectrograph (dispersion 4 Å/mm) with photographic recording and a DFS-8 grating spectrograph (6 Å/mm) with

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ACC: NR: AP4011484

photoelectric recording. The values of $\alpha(\nu)$ for the R_1 and R_2 lines are 0.315 and 0.24, respectively, and are virtually temperature independent in the 16 to 95°C temperature range. Reabsorption was found to be negligible under the given conditions. The luminescence lifetimes of the R_1 and R_2 lines, calculated on the basis of the experimental data, are of the order of 2.9 and 4.2 microsec, respectively. The relative intensities of the R luminescence lines are proportional to the populations of the respective levels and inversely proportional to $\tau(R)$. The R_2/R_1 intensity ratio for T = 93°K, derived from the present data, is about 0.43, which is in exact agreement with the experimental value of N.A.Tolstoy, Liu Shun-fu, and M.E.Lapidus (Opt.i spektro., 13, 242, 1962). Orig.art.has: 14 formulas, 2 tables, and 1 figure.

ASSOCIATION: none

SUBMITTED: 18Mar63 DATE ACQ: 14Feb64 ENCL: 00

SUB CODE: PH NR REF SOV: 003 OTHER: 005

Card 2/2

L 27813-65 FBD/EWA(k)/F 3(j)/EWP(e)/EWT(l)/EWT(m)/EEC(k)-2/T/EEC(t)/EWP(k)/EEC(b)-2/EWA(m)-2/EWA(h) Pn-4/Po-4/Pt-4/Peb/P1-4/P1-4 IJP(c) WW/WH

ACCESSION NR: AP4016504 S/0020/64/154/005/1072/1074

AUTHOR: Konyukhov, V. K.; Kulevskiy, L. A.; Prokhorov, A. M. (Corresponding member)

65
64
B

TITLE: Internal types of oscillation in the ruby laser 25

SOURCE: AN SSSR. Doklady*, v. 154, no. 5, 1964, 1072-1074

TOPIC TAGS: ruby laser, laser, internal oscillation, thermal energy, directed emission generation, luminescence, particle loss, chromium, excited level, metastable level transition energy

16

ABSTRACT: The energy of internal types of oscillation in a laser (ruby crystalline rod containing $(3 + 0.5) \times 10^{-2}$ at. % Cr) was determined by analyzing the thermal energy accumulated in the ruby crystal during the time the laser operates. The heat energy liberated is caused by the transition of the Cr ion from the excited levels $^4F_2$ and $^4F_1$ to the ground state $^4A_2$ and to the metastable levels 2A and E. The increase in heat energy in the rod is attributed to the generation

Card 1/4 3

of directed emission, to the loss of particles with metastable levels to the crystal luminescent glow, and to the generation by internal types of oscillation. The figure shows the heat energy emitted under different operating conditions: Curve 1 representsthe threshold value of the appearance of generation, curves 2 and 3 are 1.3 and 1.9 times greater, and the broken line corresponds to the heat energy of 470 volt/cm^3 given off in a 1 cm^3. sample due to luminescence caused by the loss of metastable particles. Thus, near the threshold nearly all the particles spontaneously give off their energy to produce luminescence in the crystal. The high excitation energy of curve 3 cannot be explained by the particle loss to luminescence or the generation of directed emission, but is attributed to internal type oscillations. When the threshold is doubled, over half of the energy of the particles from the metastable state is converted to the energy of internal types of oscillation. It is concluded that the energy of directed emission increases because of partial suppression of internal type oscillations. Evolution of excess heat is partially explained by additional expenditure of particles to increase spontaneous emission. And the low energy of directed emission is attributed to the appearance of generation by internal types of oscillation. Orig.

L 27813-65

ACCESSION NR: AP4016504

art. has: 1 figure and 1 table.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute, Academy of Sciences SSSR)

SUBMITTED: 06Nov63 ENCL: 01

SUB CODE: EC NO REF SOV: 001 OTHER: 001

Card 3/4

L 13976-65 EWG(j)/EWA(k)/FBD/EWP(e)/EWT(l)/EWT(m)/EEC(k)-2/T/EEC(t)/EWP(k)/EEC(b)-2/EWA(m)-2/EWA(h) Pn-4/Po-4/Pf-4/Pi-4/Pl-4/Peb AS(mp)-2/AFETR/ESD/ASD(a)-5/AFGC(b)/RAEM(a)/ESD(gs)/ESD(t)/IJP(c) WG/WH

ACCESSION NR: AP4047320 S/0020/64/158/004/0824/0826

AUTHORS: Konyukhov, V. K.; Kulevskiy, L. A.; Sokolov, A. K.; Prokhorov, A. M. (Corresponding member AN SSSR)

TITLE: Spectrum of ruby laser with external spherical mirrors

SOURCE: AN SSSR. Doklady*, v. 158, no. 4, 1964, 824-826

TOPIC TAGS: ruby laser, ruby laser oscillation, laser cavity, laser mirror system

ABSTRACT: The emission spectrum of a ruby laser with external spherical mirrors, operating in undamped and quasi-stationary generation modes was investigated. A ruby crystal 12 mm in diameter and 120 mm long was used, with its optical axis perpendicular to the geometrical axis of the crystal. The spherical mirrors were 500 in radius and were set at a distance of either 100 mm (concentric cavity) or 500 mm (confocal cavity). The spectrum was time-swept

Card 1/2

L 13976-65

ACCESSION NR: AP4047320

and investigated with a Fabry-Perot interferometer. Unlike a ruby laser with flat mirrors, where several spectral components with randomly varying frequencies are generated simultaneously, a laser with external spherical mirrors emits a single component with width not larger than 0.1 cm^{-1} and with a frequency variation that consists of abrupt jumps imposed on a monotonic decrease. This is attributed to changes in the optical properties of the ruby, due to the increase in its temperatures during the laser operation. Other factors, such as internal stresses, may also influence the frequency variation. "The authors thank T. N. Zubarev for a useful discussion of the work." Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute, Academy of Sciences, SSSR)

SUBMITTED: 23May64 ENCL: 00

SUB CODE: EC, OP NR REF SOV: 003 OTHER: 009

Card 2/2

FBD/EWT(1)/EWP(e)/EWT(m)/EEC(k)-2/T/EWP(t)/EWP(k)/EWP(b)/EWA(m)-2/EWA(h)
ACC NR: AP5026978 SOURCE CODE: UR/0020/65/164/005/1012/1015

AUTHOR: Konyukhov, V. K.; Kulevskiy, L. A.; Prokhorov, A. M.

ORG: Physics Institute im. P. N. Lebedev, Academy of Sciences SSSR (Fizicheskiy institut Akademii nauk SSSR)

TITLE: A cadmium sulfide laser using two-photon excitation from a ruby laser

SOURCE: AN SSSR. Doklady, v. 164, no. 5, 1965, 1012-1015

TOPIC TAGS: laser, semiconductor laser, nonlinear optics, two photon absorption

ABSTRACT: A CdS 5 x 3 x 3 mm laser forming a Fabry-Perot cavity was excited by focused radiation from a 50 Mw Q-switched ruby laser. The emission spectrum of CdS was investigated at flux densities of 20, 40, 200, and 500 Mv/cm^2 with laser action occurring at 500 Mw (see Fig. 1). In addition to considerable narrowing, an interference pattern was obtained and a beam directivity of ~10° above the threshold was observed. The oscillograph trace of CdS laser emission was of the same shape as that of the exciting light at all excitation levels; however, the duration of the bell-shaped trace was 50% shorter than that from the ruby laser. This was attributed to the fact that the power absorbed shows a quadratic dependence on the incident power. The two-photon coefficient of absorption of radiation at λ = 695 μ was measured at 300K and found to be proportional to the flux density of incident radiation (0.2, 0.5, and 1.1 cm at flux densities of 10, 25, and 55 Mw, respectively). Using

Card 1/3

UDC: 535.89

L 9459-66

ACC NR: AP5026978

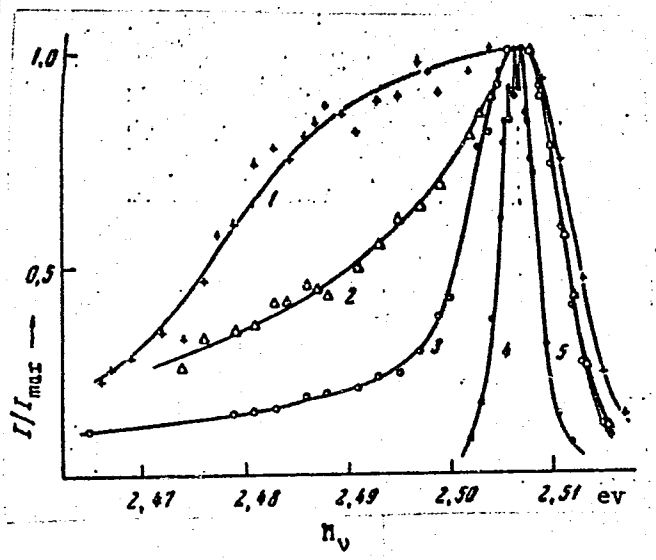
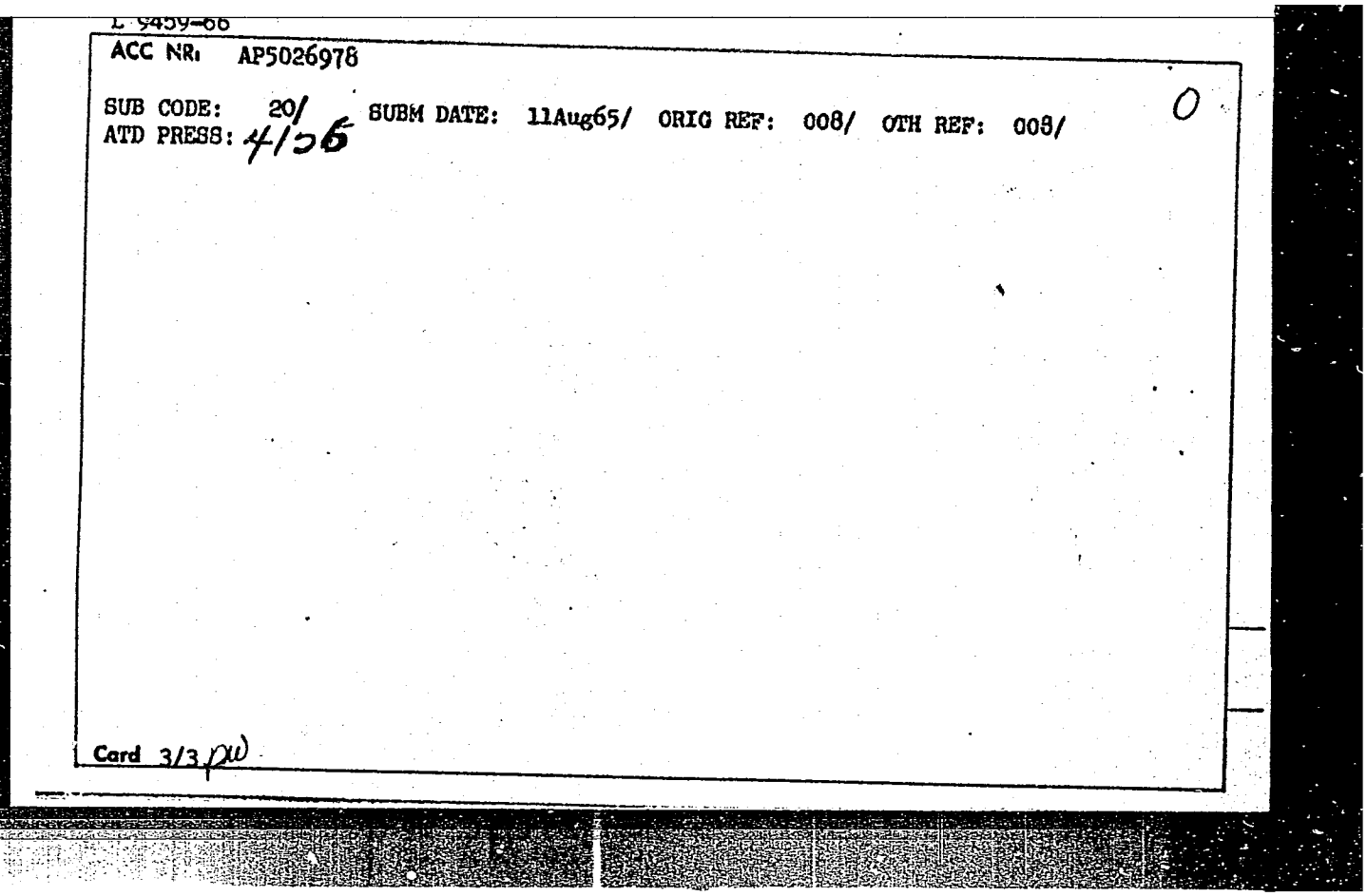


Fig. 1. The emission spectrum of CdS excited by a ruby laser

Flux density of: 1 - 20 Mv/cm^2; 2 - 40 Mw/cm^2; 3 - 200 Mv/cm^2; 4 - 500 Mw/cm^2. The radiation was polarized with E perpendicular to C.

the value of 10 cm^{-1} for the two-photon coefficient of absorption at 500 Mw the hole electron pair creation was calculated to be 10^{27}—10^{28} pair/cm^3 sec. This is of the order of the magnitude of pair generation required to attain laser action in electron-beam-pumped CdS. Orig. art. has: 2 figures. [CS]

Card 2/3



L 9459-66

ACC NR: AP5026978

SUB CODE: 20/ SUBM DATE: 11Aug65/ ORIG REF: 008/ OTH REF: 009/ 0

ATD PRESS: 4156

Card 3/3 pw

L 10949-66 EWT(l)/EWP(e)/EWT(m)/EEC(k)-2/T/EWP(t)/EWP(k)/EWP(b)/EWA(m)-2/EWA(h)
ACC NR: AP6002423 SCIB/IJP(c) SOURCE CODE: UR/0020/65/165/005/1056/1058
WG/JD/WH

AUTHOR: Konyukhov, V. K.; Kulevskiy, L. A.; Kostin, V. V.; Murina, T. M.; Prokhorov, A. M. (Corresponding member AN SSSR)

ORG: Physics Institute im. P. N. Lebedev, Academy of Sciences, SSSR (Fizicheskiy institut Akademii nauk SSSR)

TITLE: A giant-pulse $CaF_2:Dy^{2+}$ laser with continuous pumping

SOURCE: AN SSSR. Doklady, v. 165, no. 5, 1965, 1056-1058

TOPIC TAGS: giant pulse laser, dysprosium, calcium fluoride, xenon lamp, ~~pumping~~ calcium fluoride, crystal, laser pumping, laser beam, laser

ABSTRACT: The generation of repeating giant pulses at 2.36 μ is reported in $CaF_2:Dy^{2+}$ pumped continuously by xenon lamps. Such pulses were first achieved in $CaF_2:Dy^{2+}$ by Ye. M. Zolotov, A. M. Prokhorov, and G. P. Shipulo (ZhETF, v. 49, no. 9, 720, 1965), who used ruby laser pumping. A similar method of generating giant pulses in YAlG:Nd was used by J. E. Gausic, M. L. Hensel, and R. G. Smith (Appl. Phys. Lett., 6, no. 9, 175, 1965). The laser system used in the present investigation (Fig. 1) consisted of a cylindrical dysprosium-doped calcium fluoride crystal 70 mm long and 7 mm in diameter with plane-parallel ends. The concentration of Dy^{2+} in CaF_2 was $\sim 10^{17}$ cm^{-3}. The crystal was placed in a dewar, where it was cooled by circulating liquid nitrogen. The pumping was provided by two cw xenon lamps placed together with a dewar in a tight condenser. An internal multilayer dielectric mirror with a re-

Card 1/2 UDC: 535.89

L 10949-66

ACC NR: AP6002423

flectivity of approximately 100% was used on one end of the resonator, whose output was Q-switched by means of a rotating (50--500 cps) prism with total internal reflection. The laser beam was incident (at 23°) at a plane-parallel quartz plate and directed at a calorimeter and a liquid-nitrogen-cooled InSb photodiode with a time-resolution of $20 \cdot 10^{-9}$ sec. The time-dependent emission intensity was recorded by

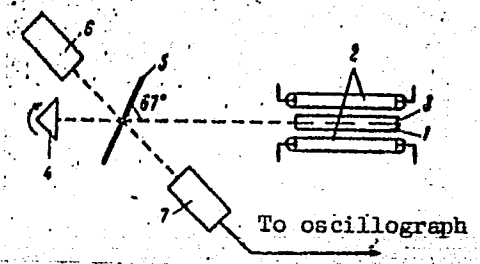


Fig. 1. Schematic of the laser system

1 - $CaF_2:Dy^{2+}$ crystal; 2 - continuous pumping xenon lamps; 3 - multilayer dielectric mirror; 4 - rotating prism with total internal reflection; 5 - plane-parallel quartz plate; 6 - calorimeter; 7 - InSb photodiode.

means of an InSb photodiode and DEO-1 and S1-11 oscillographs. The mean intensity in both directions (see Fig. 1) was 0.05 w for both fixed and rotating (at 200 cps) prisms. This indicates that the rotation frequency of the prism was near optimal. The duration and repetition rate of the giant pulses were 1.2×10^{-7} sec (calculated value was 1.05×10^{-7}) and 200 cps, respectively, resulting in a peak power of 2×10^3 w. The proposed high-intensity laser can be used in studies of two-photon excitation of semiconductors with a narrow forbidden gap. Orig. art. has: 2 figures. [YK]

SUB CODE: 20 / SUBM DATE: 02Sep65/ ORIG REF: 003/ OTH REF: 005/ ATD PRESS: 4170

Card 2/2

L 28439-66 EWT(1) JXT(EX)

ACC NR: AP6018701 SOURCE CODE: UR/0386/66/003/011/0436/0439

AUTHOR: Konyukhov, V. K.; Prokhorov, A. M.

ORG: Physics Institute im. P. N. Lebedev, Academy of Sciences SSSR (Fizicheskiy institut Akademii nauk SSSR) 66 64 B

TITLE: Population inversion in adiabatic expansion of a gas mixture

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 11, 1966, 436-439

TOPIC TAGS: nitrogen, carbon dioxide, gas laser, adiabatic expansion, nuclear energy level, relaxation process, excited state

ABSTRACT: The authors show that in some mixtures of molecular gases population inversion states in the vibrational levels are produced and exist for some time following adiabatic expansion of the gas, provided the molecules of the mixture differ noticeably in their vibrational relaxation times and are capable of exchanging vibrational-relaxation energy. Equations are presented for the change in the number of molecules of the working gas at three vibrational levels, one of which (the third) can exchange vibrational excitation with the upper level of the carrier molecule, from which the conditions for level inversion are obtained. As a specific example it is shown that in the case of a mixture of nitrogen and carbon dioxide adiabatic expansion makes possible a population inversion between the levels (0 $0^0$1) and ($10^0$0) of the CO_2 molecule. For initial and final temperatures of 1000 and 300K, the

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L 28439-66

ACC NR: AP6018701 2

estimated inversion is about 1%, with a maximum 3.5%. It is also noted that a continuous mode of adiabatic expansion can be realized by passing the gas through a supersonic nozzle. The authors thank L. A. Kulevskiy and V. M. Marchenko for discussions. Orig. art. has: 1 figure and 3 formulas. [02]

SUB CODE: 20/ SUBM DATE: 31Mar66 ORIG REF: 001/ OTH REF: 005/ ATD PRESS: 5006

Card 2/2 PB

Card 1/1 W UDC: 621.375.9:535

L 62907-65

ACCESSION NR: AP5019175 UR/0337/65/000/007/0068/0069
664.95

10
B

AUTHOR: Moskalenko, N. F.; Konyukhov, V. M. (Chief technologist)

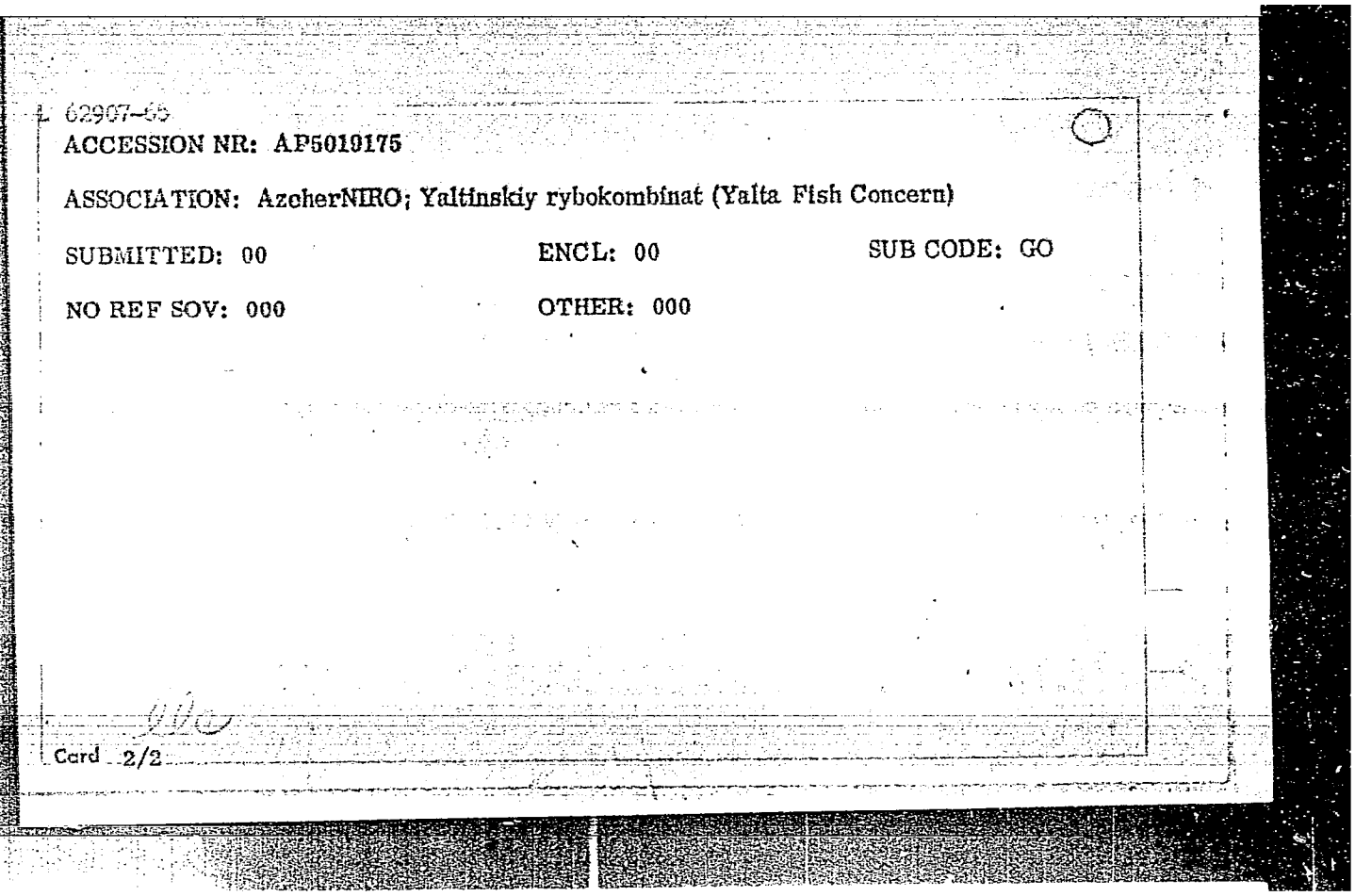
TITLE: The expediency of recalculating the actual (physical) tin can size into standard units according to the net weight of the cans

SOURCE: Rybnoye khozyaystvo, no. 7, 1965, 68-69

TOPIC TAGS: fish product packaging, can size

ABSTRACT: The norms for raw material consumption during the production of canned fish products is established on the basis of 1000 standard tin cans, i.e., #8 cans with a net weight of 350 g. In the past, the recalculations of raw material consumption in the case of cans of other physical sizes was carried out in the enterprises of the Azov-Black Sea basin by utilizing the volume ratios of the cans in question. The authors of the article suggest, on the basis of numerous examples, that the recalculation should be done on the basis of weight ratios; otherwise, e.g., enterprises producing #3 cans will show a surplus of raw materials while those whose output consists of #19 cans will show a constant deficit of raw materials.

Card 1/2



62907-65
ACCESSION NR: AP5019175

ASSOCIATION: AzcherNIRO; Yaltinskiy rybokombinat (Yalta Fish Concern)

SUBMITTED: 00 ENCL: 00 SUB CODE: GO

NO REF SOV: 000 OTHER: 000

Card 2/2

PUSHKAREVA, Z.V.; KONYUKHOV, V.N.

Synthesis and study of heterocyclic derivatives with a potential antitumoric activity. Part 1: Some derivatives of m-phenanthroline. Zhur.ob.khim. 31 no.9:2914-2918 S '61. (MIRA 14:9)

1. Ural'skiy politekhnicheskiy institut imeni S.M.Kirova.
(Phenanthroline)

ASTAKHOV, I.I., glav. red.; ANSIN, A.N., red.; IVANOV, D.A., red.; KORNILOV, M.F., doktor sel'khoz. nauk, red.; KONYUKHOV, V.N., kand. sel'khoz. nauk, red.; MARKITANTOVA, A.V., uchenyy sekretar', red.; SAPOZHNIKOV, N.A., red.; DMITRIYEV, N.N., red.

[Science in the service of agricultural production; collection of scientific and technical information] Nauka - sel'skokhoziaistvennomu proizvodstvu; sbornik nauchno-tekhnicheskoi informatsii. Leningrad, Lenizdat, 1964. 143 p. (MIRA 17:3)

1. Leningrad. Severo-zapadnyy nauchno-issledovatel'skiy institut sel'skogo khozyaystva.

KONYUKHOV, V.N.; SAKOVICH, G.S.; KRUPNOVA, L.V.; PUSHKAREVA, Z.V.

Synthesis and study of biologically active heterocyclic derivatives. Part 6: Some derivatives of 3,4-dihydropyrimidine. Zhur. org. khim. 1 no.8:1487-1489 Ag '65. (MIRA 18:11)

1. Ural'skiy politekhnicheskiy institut imeni Kirova.

ANDRIANOV, V.V.; KONYUKHOV, V.V.; NIKOLOTOVA, A.S.; TREYMAN, V.V., prof.

Some data on medical service and the incidence of disease with temporary disability of workers and employees of the Ryazan Combine of Artificial Fibers. Nauch.trudy Riaz.med. inst. 23:38-44 '63. (MIRA 18:12)

1. Kafedra organizatsii zdravookhraneniya i istorii meditsiny (zav. kafedroy - prof. V.V.Treyman) Ryazanskogo meditsinskogo instituta imeni akademika I.P.Pavlova.

LACHINOV, S.S.; RUBINSHTEYN, A.M.; AKIMOV, V.M.; KLYACHKO-GURVICH, A.L.; KONYUKHOVA, I.N.; KUZNETSOV, L.D.; LEVITSKAYA, T.T.; PRIBYTKOVA, N.A.; SLINKIN, A.A.; CHESNOKOVA, R.V.

Complex investigation of iron catalysts for ammonia synthesis. Kin. i kat. 5 no.3:478-489 My-Je '64. (MIRA 17:11)

1. Institut organicheskoy khimii AN SSSR i Gosudarstvennyy institut azotnoy promyshlennosti.

SHISHKOVA, V.N.; LACHINOV, S.S.; KONYUKHOVA, I.N.

Distribution of promoters on the surface of ammonia catalysts, and activity of these catalysts at high pressures. Kin.i kat. 1 no.2:242-246 Jl-Ag '60. (MIRA 13:8)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut azotnoy promyshlennosti.
(Catalysts) (Ammonia)

KONYUKHOVA, I.N.; LACHINOV, S.S.; SIMULIN, Yu.N.; TOROCHESHNIKOV, N.S.

Distribution of promoters on the surface of the iron catalyst of ammonia synthesis as dependent on the degree of its regeneration. Trudy MKHTI no.44:155-158 '64. (MIRA 18:1)

LUCHNIKOV, V. (TSelinnyy kray); KONYUKHOV, V. (TSelinnyy kray)

More consideration should be given to village workers. Obshchestv. pit. no. 3:6 Mr '61. (MIRA 14:4)

1. Nachal'nik otdela obshchestvennogo pitaniya Severo-Kazakhstanskogo oblpotrebsoyuza (for Luchnikov).
(North Kazakhstan Province--Restaurants, Lunchrooms, Etc.)

KONYUKHOV, V.D.

Problems in reducing the cost of industrial production. Vest. AN SSSR 31 no.4:136-138 Ap '61. (MIRA 14:4)
(Cost, Industrial)

KONYUKHOV, V. N.

"The Use of Fodder by Animals in Relation to the Balancing of Rations." Cand Agr Sci, Leningrad Veterinary Inst, Leningrad, 1953. (RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

So: Sum. No. 481, 5 May 55

KONYUKHOV, V.N.; P'YANKOVA, L.N.; PUSHKAREVA, Z.V.

Syntheses in the phenanthroline series. Zhur.ob.khim. 32 no.8:2745-2746 Ag '62. (MIRA 15:9)

1. Ural'skiy politekhnicheskiy institut imeni S.M. Kirova.
(Phenanthroline)

KRYLOVA, A.V.; KUZNETSOV, L.D.; KONYUKHOVA, I.N.

Effect of alkaline accelerators on the electron work function and the activity of ammonia catalysts. Kin. i kat. 5 no.5: 948-950 S-O '64. (MIRA 17:12)

1. Institut khimicheskoy fiziki AN SSSR i Gosudarstvennyy institut azotnoy promyshlennosti.

KONYUKHOVA, L. I.

24106 KONYUKHOVA, L. I. Normy raskhoda polotna pri poshivke bel'evykh izdeliy massovogo assortimenta. Sbornik rabot Nauch.-issled. In-TA trikotazh. Prom-sti za 1946 G. M.-L., 1949, S. 75-132.

SO: Letopis, No. 32, 1949.

KONYUKHOVA, L.I.

Economy of fabric in the sewing of knit wear. Leg.prom.14 no.12:14-18 D '54. (MLRA 8:2)
(Garment cutting)(Knit goods industry)

KONYUKHOVA, L. I.

Once more about shrinking of knitted fabrics. Leg.prom. 15 no.7:60 J1'55. (MLRA 8:10)

(Knit goods)

KONYUKHOVA, Lidiya Ignat'yevna; ZARKHIN, V.A., retsenzent, kandidat ekonomicheskikh nauk; ARENS, Ye.N., nauchnyy redaktor; TORMOZOVA, L.I., redaktor; DMITRIYEVA, N.I., tekhnicheskiy redaktor

[The economical use of cloth in the production of knitted underwear] Ekonomnoe ispol'zovanie polotna v proizvodstve trikotazhnogo bel'ia. Moskva, Gos. nauchno-tekhn. izd-vo M-va legkoi promyshl. SSSR, 1957. 77 p. (MLRA 10:4)
(Underwear) (Knit goods)

KONYUKHOVA, L.I., inzh.; SUKHANOVA, T.A., inzh.; ANDREYEVA, L.V., inzh.

Methodology for calculating raw material expenditure for knit outerwear garment pieces. Nauch.-issl.trudy VNIITP no.4:71-117 '63. (MIRA 17:4)

GENIN, N.M.; ZOL'NIKOV, S.N.; PARFENOV, A.P.; KHAYT, N.M.; KONYUKHOVA, M.D.

Changes in some hemodynamic and electrocardiographic indices in repeated mitral commissurotomy. Khirurgiia 40 no.1:58-65 Ja '64. (MIRA 17:11)

1. Institut serdechno-sosudistoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR.

BAYDINA, N.A.; DAVYDOVA, O.A.; KONYUKHOVA, M.S.

Practice in forecasting the fields of surface pressure, geopotential, temperature, wind, cloudiness, and precipitation for 12 hours. Trudy TSIP no.128:155-159 '63. (MIRA 17:4)

BACHURINA, A.A.; KONYUKHOVA, M.S.

Some results of the calculation of the diurnal magnitudes of evaporation. Trudy TSIP no.128:20-45 '63. (MIRA 17:4)

BACHURINA, A.A.; KONYUKHOVA, M.S.

Principal factors causing thermal transformations in the lower atmospheric layer and their quantitative calculation by the use of nomographs. Trudy TSIP no.110:19-25 '61. (MIRA 14:6)
(Weather forecasting) (Nomography (Mathematics))

BACHURINA, A.A.; KONYUKHOVA, M.S.

Analysis of conditions producing temperature changes in the lower one-kilometer atmospheric layer. Trudy TSIP no.110:26-31 '61. (MIRA 14:6)

(Weather forecasting)

ACCESSION NR: AT4017177 S/2546/63/000/128/0155/0159

AUTHOR: Baydina, N. A.; Davy*dova, O. A.; Konyukhova, M. S.

TITLE: Experience in preparing forecasts of the surface fields of pressure, geopotential, temperature, wind, cloud cover and precipitation for 12 hours in advance

SOURCE: Moscow. Tsentral'ny*y Institut prognozov. Trudy*, no. 128, 1963. Voprosy* kratkosrochny*kh prognozov pogody* (Problems of short-range weather forecasting), 155-159

TOPIC TAGS: meteorology, weather forecasting, short-range weather forecasting, atmospheric geopotential, atmospheric temperature, atmospheric pressure, cloud, precipitation, wind, troposphere

ABSTRACT: Weather forecasts in the Soviet Union are usually prepared for a small area (except for pressure) on the basis of the method described in the Manual on Short-Range Weather Forecasting; however, forecasts are needed for extensive areas. Various attempts have been made by different authors to speed up and simplify procedures to make a more extensive forecast possible, but at the expense of quality; nevertheless, as shown in this article, forecasts can be made speedily for extensive areas while adhering to the basic procedures and quality standards set forth in the Manual. A study was made over a period of 11 days in July 1959.

Card 1/2

SUB CODE: AS NO REF SOV: 004 OTHER: 000

Card 2/2

BACHURINA, A.A.; KONYUKHOVA, M.S.

Analysis of the conditions of the change of humidity in the surface boundary layer depending on the underlying surface. Trudy TSIP no.144:69-85 '65.

Results of the correctness of different methods of forecasting humidity in the surface boundary layer. Ibid.:86-96
(MIRA 18:11)

L 23442-65 EWT(m)/EPF(c)/T Pr-4 DJ

ACCESSION NR: AP4049830 S/0318/64/000/011/0015/0017

AUTHOR: Bady*shtova, K.M.; Chesnokov, A.A.; Ivankina, E.B.; Zhadanovskiy, N.B.; Konyukhova, M.V.

TITLE: Stability of transformer oil in relation to the nature of the crude

SOURCE: Neftepererabotka i neftekhimiya, no. 11, 1964, 15-17

TOPIC TAGS: transformer oil, Tuymazy* petroleum, hydrogenated petroleum, Mukhanov petroleum, Anastas'yevo petroleum, Zhirnov petroleum, transformer oil acidity

ABSTRACT: Research by VNIINP has established the technology of transformer oil production from distillates of a mixture of Tuymazy*, Bavlin and Mukhanov crudes processed at the Novokuyby*shev refinery by hydrogenation over a alumino-cobalt-molybdenum catalyst. However, under the prescribed hydrogenation conditions (420C, 50 atm, feed 0.5/hr.) the product has a high sedimentation rate and acidity. An investigation showed that the results depend on the crude: Tuymazy* crude showed the optimum results with 0.022% sediment, acid number = 0.18 mg KOH/g oil (yet the distillate showed the highest S content, 1.56%). Therefore, other oils require modified procedures to achieve a sedimention rate of below 1% after oxidation. "Engineers B.S. Konovalov, A.P. Naumova, N.I. Pyatiletova, and

Card 1/2

L 23442-65
ACCESSION NR: AP4049830

S.M. Smirnova, and technicians L.I. Chibrikova and M.S. Bugrovskaya took part in the experimental work." Orig. art. has: 1 table.

ASSOCIATION: KNIINP; Novokuyby*shevskiy zavod (Novokuyby*shev Plant)

SUBMITTED: 00 ENCL: 00 SUB CODE: FP

NO REF SOV: 006 OTHER: 000

Card 2/2

L 22483-66 EWT(m)/T DJ
ACC NR: AP6007929 (A) SOURCE CODE: UR/0065/66/000/003/0030/0032

AUTHOR: Chesnokov, A. A.; Badyshtova, K. M.; Konyukhova, M. V.; Ivankina, E. B.; Zhadanovskiy, N. B.

32
B

ORG: KNIINP; Novokuybyshev Petrochemical Works (Novokuybyshevskiy neftekhimicheskiy kombinat)

TITLE: Antioxidative stability of hydrofined transformer oil

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 3, 1966, 30-32

TOPIC TAGS: transformer oil, petroleum product, petroleum refining, oxidative degradation, oxidation

ABSTRACT: The oxidative stability of hydrofined paraffin-free transformer oil was investigated using a sample with the following characteristics: kinematic viscosity (in cSt) at 20°C--24.45, at 50°C--8.01; 0.14 percent precipitate after oxidation treatment; acid number after oxidation (in mg KOH/g)--0.81; flash point in a closed crucible--150°C; pour point-- -43°C; transparent at +5°C; density at 20°C--0.8840; refractive index n_D^{20}--1.4980; sulfur content--0.18%. The oil was chromatographically separated into 6 narrow cuts. Several blends were prepared and their characteristic indices were compared with those of the starting transformer oil. It was found that reduction in the content of the high molecular weight aromatics results in lower antioxidative

Card 1/2 UDC: 665.521.54

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Card 2/2 OK

KONYUKHOVA, V. A.

LEVITSKIY, B. G. (Doctor of Agricultural Sciences) and KONYUKHOVA, V. A. (Candidate of Biological Sciences). On the toxicity of fodder affected with common molds.

So: Veterinariya; 24; 10; October 1947; Uncl.
TABCON

KONYUKHOVA, V. A.

Primeneniye ucheniya I. P. Pavlova v zhivotnovodstve (Application Of I. P. Pavlov's Teaching In Stockbreeding, By) A. V. Kvasnitskiy (1) V. A. Konyukhova. Kiyev, Akademkniga Ukrainskoy SSR, 1954.

181 p. illus., ports.

Bibliographical footnotes.

At head of title: Institut Fiziologii.

KONYUKHOVA, V.A.

Conditioned reflexes in swine. Fiziol. zhur. 41 no.3:326-333 My-Je '55. (MLRA 8:8)

1. Institut fiziologii im. A.A. Bogomol'tsa Akademii nauk SSSR Kiyev.
(REFLEX, CONDITIONED, in swine)
(SWINE, conditioned reflexes)

KONYUKHOVA, L.A.

The morphology of the division of the zygote in the early stages of development in pigs. Zhur.ob.biol. 17 no.4: 283-295 Jl-Ag '56. (MLRA 10:2)

1. Nauchno-issledovatel'skiy institut svinovodstva, Poltava.
(ZYGOTES) (SWINE--PHYSIOLOGY)

KVASNITSKIY, O.V. [KVASNITS'KYI, O.V.], KONYUKHOVA, V.O.

Instrument for quantitative estimation and kymographic recording of salivary discharge in animals. [with summary in English]. Fiziol.zhur. [Ukr.] 4 no.3:428-431 My-Je '58 (MIRA 11:7)

1. Poltavs'ka sil'skogospodars'ka doslidna stantsiya, laboratoriya fiziologii sil'skogospodars'kikh tvarin.
(SALIVA)
(PHYSIOLOGICAL APPARATUS)

KONYUKHOVA, V.A.

Comparative studies on various methods of evaluation of the higher nervous activity hogs. [with summary in English]. Zhur.vys.nerv. deiat. 8 no.3:410-417 My-Je '58 (MIRA 11:8)

1. Institut fiziologii im. A.A. Bogomol'tsa AN USSR.
(CNERTAL NERVOUS SYSTEM, physiology
higher nervous activity, comparative study of various methods of evaluation in hogs (Rus))

KVASNITSKIY, A.V., KONYUKHOVA, V.A.

Apparatus for a quantitative count and kymographic registration of salivary secretion in animals. Fiziol.zhur. 44 no.6:590-592 Je '58 (MIRA 11:7)

1. Laboratoriya fiziologii sel'skokhozyaystvennykh zhivotnykh Gosudarstvennoy sel'skokhozyaystvennoy opytnoy stantsii, Poltava.
(SALIVARY GLANDS, physiology,
secretion, appar. for quantitative & kymographic registration in animals (Rus))

KONYUKHOVA, L.A. [Koniukhova, L.O.]

Reaction of the ovaries in sows to various doses of pregnant mare serum depending on the stage of the sexual cycle. Fiziol.zhur. [Ukr.] 11 no.4:437-443 Jl-Ag '65. (MIRA 18:10)

1. Poltavskiy nauchno-issledovatel'skiy institut svinovodstva.

KONYUKHOVA, V.A. [Koniukhova, V.O.]

Conditioned response to verbal stimuli in swine. Fiziol.zhur. [Ukr.] 11 no.4:454-462 Jl-Ag '65. (MIRA 18:10)

1. Laboratoriya fiziologii Poltavskogo nauchno-issledovatel'skogo instituta svinovodstva.

KONYUKHOVA, V. M.

COMMUNICATIONS

USSR/Miscellaneous - Economics

Card 1/1 Pub. 133 - 7/19

Authors : Konyukhova, V. M., Chief, Planning and Finance Department, Ministry of Communications, USSR

Title : Methods for improving the organizational planning and economics in district communication offices

Periodical : Vest. svyazi 1, 15 - 16, Jan 1955

Abstract : It was stated that the defects in organizational planning and economics in the communication districts is primarily due to the lack of economists and the unfamiliarity of supervisors regarding these problems. Available courses relative to this subject and the opening of Economic Departments in Universities are outlined with the recommendation for further training.

Institution: .....

Submitted: .....

Konyukhova, V.M.

USSR/Miscellaneous - Economics

Card 1/1 : Pub. 133 - 8/19

Authors : Konyukhova, V. M.

Title : Perspective plan concerning the scientific research work on economy and technical and economical problems

Periodical : Vest. svyazi 6, 17-18, June 1955

Abstract : In recent years the Ministry for Communications of the USSR, adopted a series of measures aimed to increase the scientific research in all phases of communications economy. In order to eliminate the shortcomings, a perspective plan covering basic operations and technical and economical problems for the period 1955-1957 was worked out. The plan consists of the following phases: general problems on economy and planning of communications, economical efficiency in introducing new technics in communications, and the economical problems in planning and construction of communication establishments.

Institution : .....

Submitted : .....

KONYUKHOVA, V.M.

Business accounting should be used more extensively in communications. Vest. sviazi 19 no.7:17-19 Jl '59. (MIRA 13:8)

1. Nachan'nik Planovo-finansovogo upravleniya Ministerstva svyazi SSSR.

(Telecommunication--Accounting)